



Fig. 1

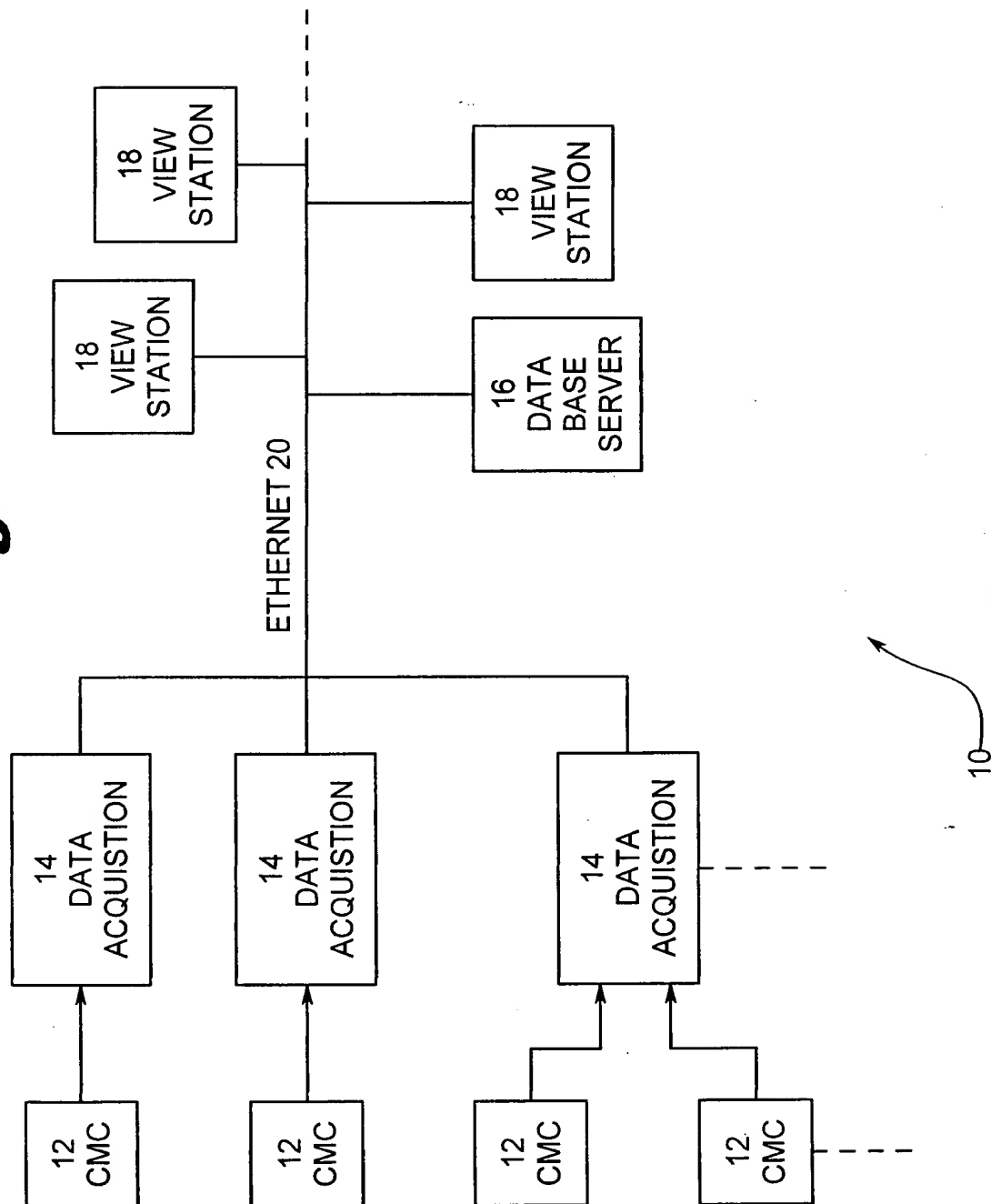


Fig. 2

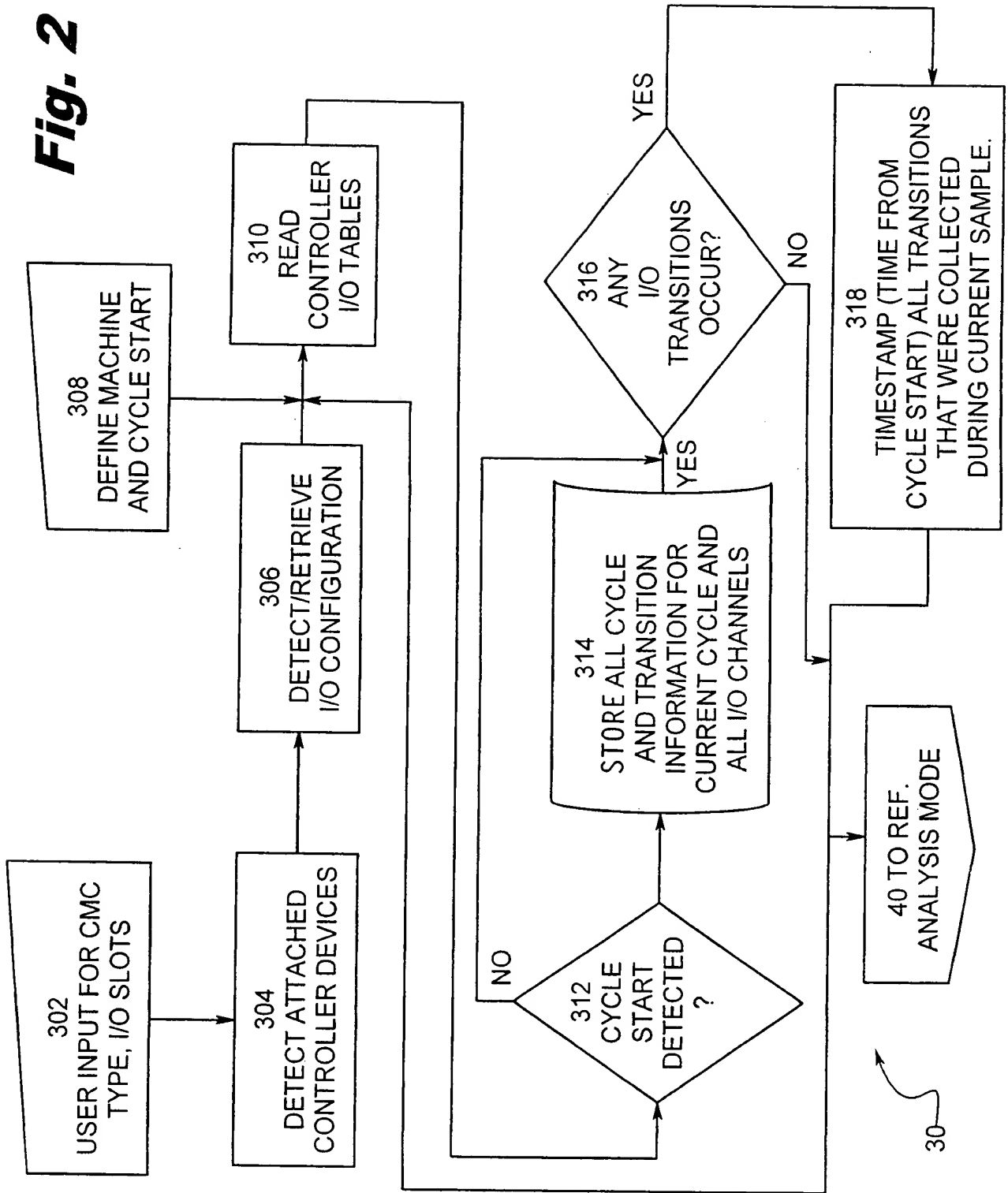


Fig. 3

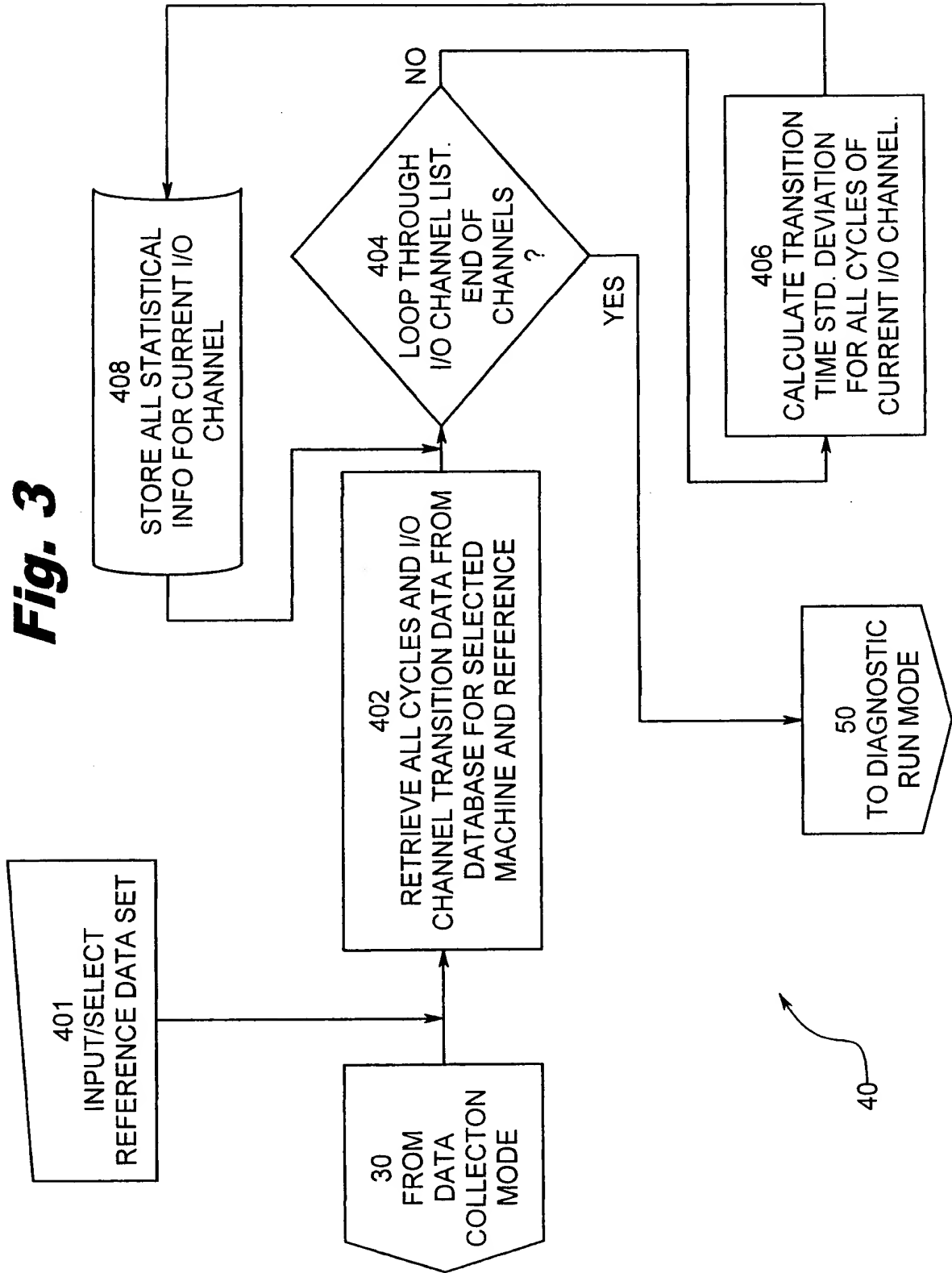


Fig. 4

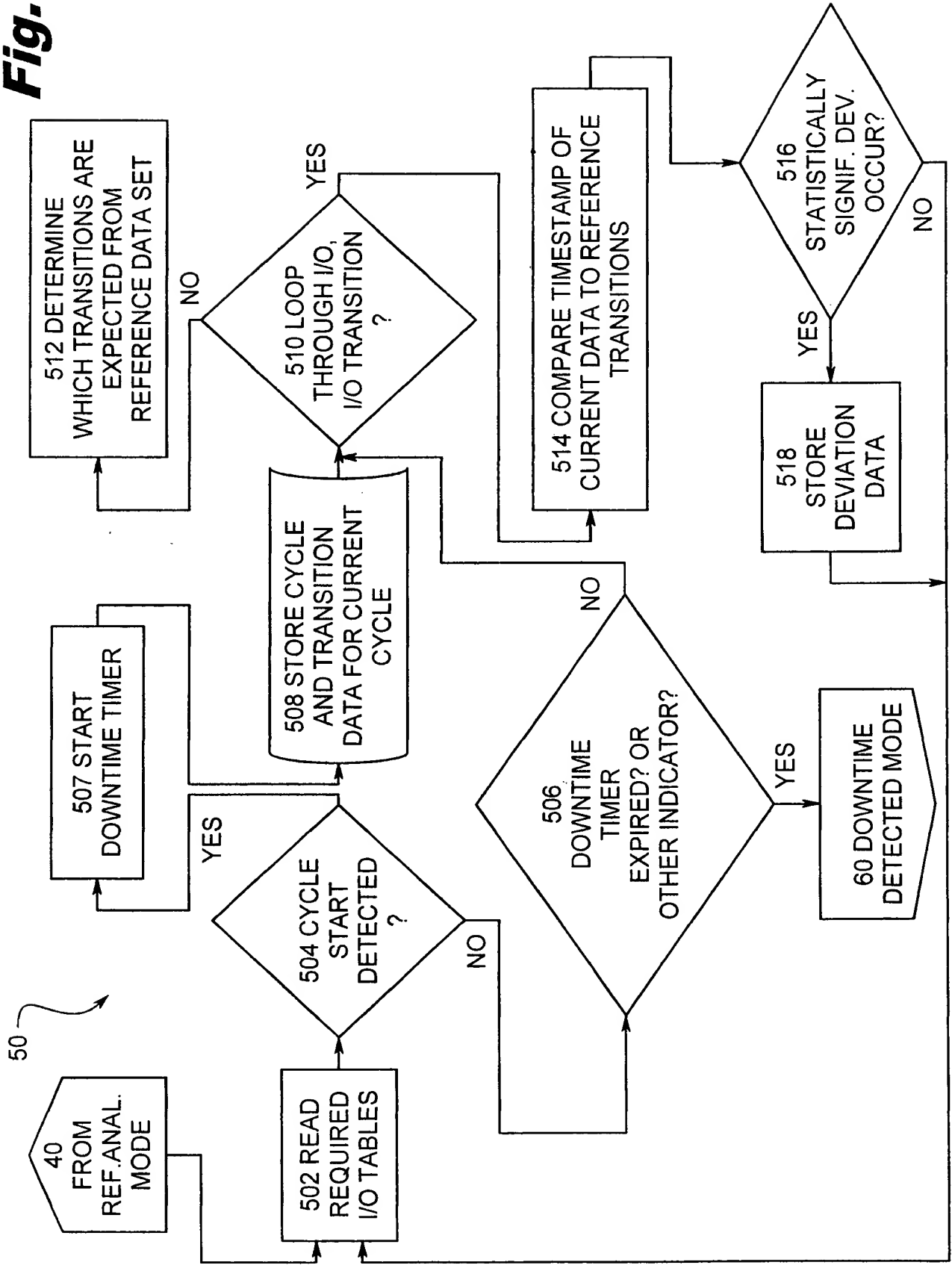


Fig. 5

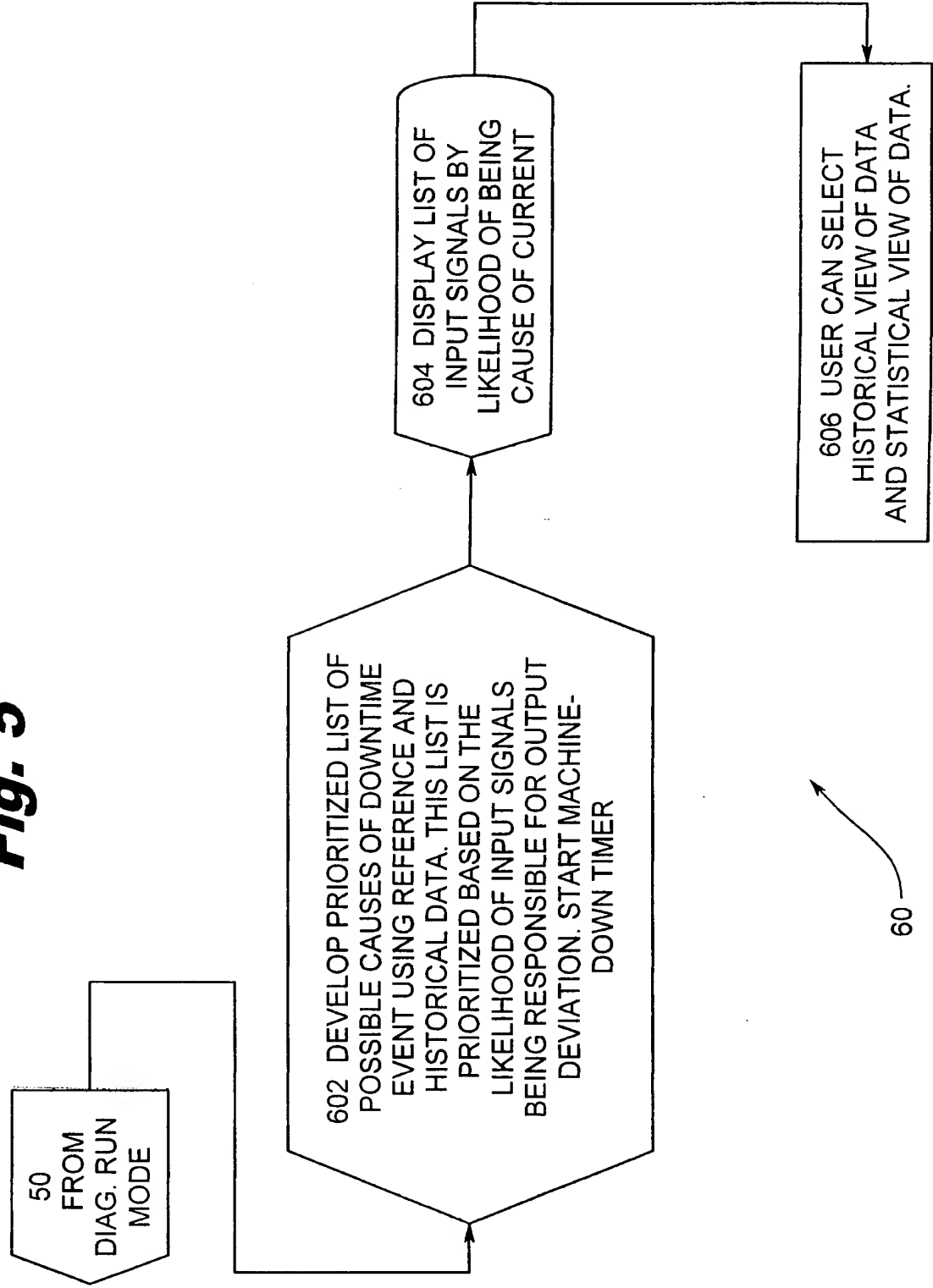


Fig. 6



Fig. 7

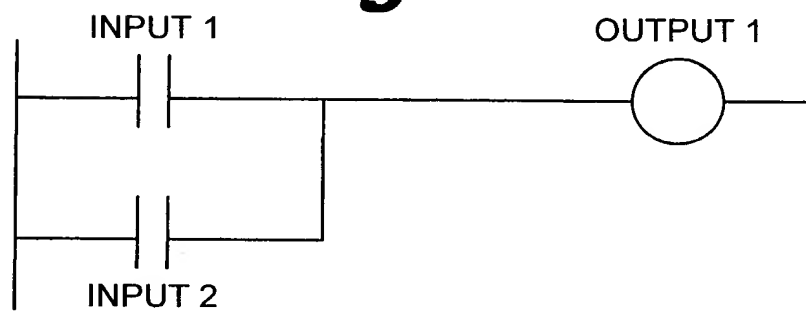


Fig. 8

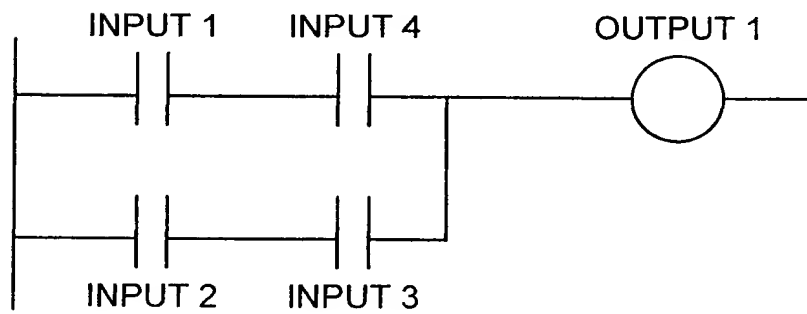


Fig. 9

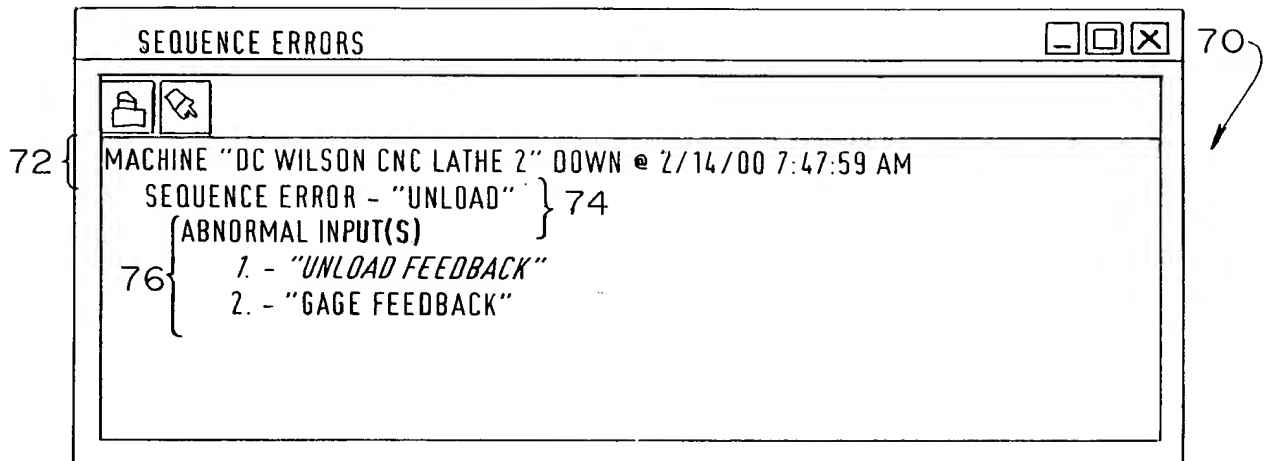


Fig. 10

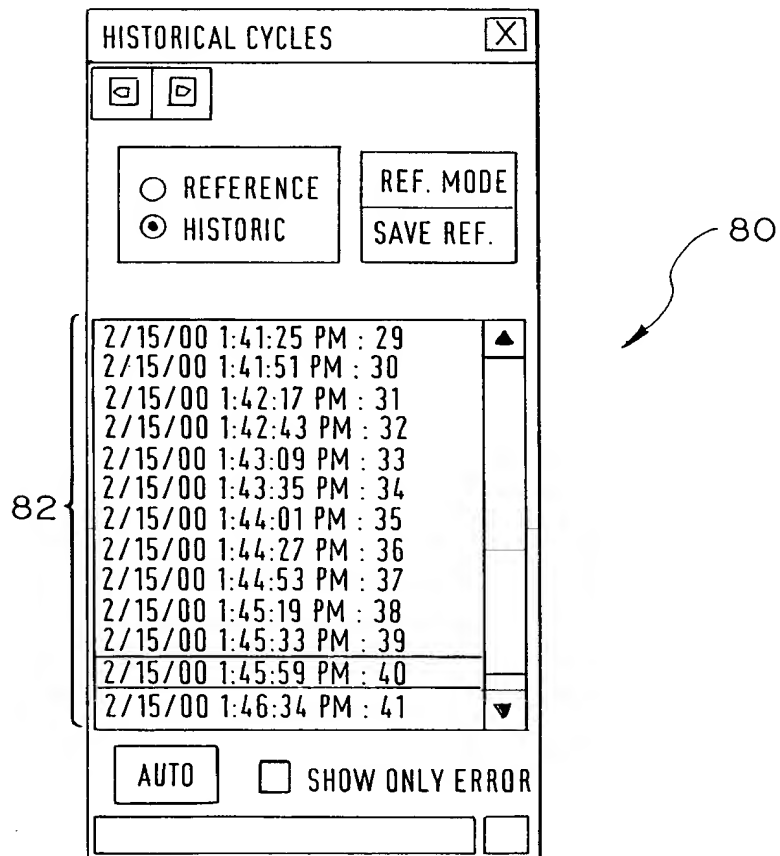


Fig. 11

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STATISTICAL REFERENCE ANALYSIS FOR MACHINE VIRTUAL TEST MACHINE 2

SAVE AS REF. PROFILE

REF. NAME

REFERENCE 1 ALL

DELETE

CANCEL

SIGNALS	CYCLE STARTS CYCLE #	INITIAL STATE	CYCLE TIME(S)	TRAN(1)	TRAN(2)
M2_IN_CYCLE	8/21/00 9:16:24 AM : 46	OFF	24.019	(+1.572	(-4.116
M2_CORES_IN	8/21/00 9:16:48 AM : 47	OFF	23.760	(+1.673	(-4.397
M2_DIE_CLOSE	8/21/00 9:17:12 AM : 48	OFF	22.464	(+1.603	(-4.207
M2_SLOW_SHOT	8/21/00 9:17:35 AM : 49	OFF	23.328	(+1.772	(-4.516
M2_FAST_SHOT	8/21/00 9:17:58 AM : 50	OFF	22.982	(+1.573	(-4.206
M2_DWELL	8/21/00 9:18:21 AM : 51	OFF	23.587	(+1.493	(-3.996
M2_DYE_OPEN	8/21/00 9:18:45 AM : 52	OFF	23.328	(+1.573	(-4.106
M2_CORES_OUT	8/21/00 9:19:08 AM : 53	OFF	22.464	(+1.883	(-4.727
M2_EJECT_PART	8/21/00 9:19:30 AM : 54	OFF	22.550	(+1.803	(-4.527
M2_END_CYCLE	8/21/00 9:19:53 AM : 55	OFF	22.205	(+1.562	(-4.106
M2_STOP	8/21/00 9:20:15 AM : 56	OFF	23.501	(+1.782	(-4.606
	8/21/00 9:20:39 AM : 57	OFF	23.069	(+1.493	(-4.116
	8/21/00 9:21:02 AM : 58	OFF	21.514	(+1.462	(-3.985
	8/21/00 9:21:23 AM : 59	OFF	23.328	(+1.562	(-4.186
	8/21/00 9:21:47 AM : 60	OFF	23.846	(+1.703	(-4.316
AVERAGE			23.139	(+1.636	(-4.273
RANGE				0.421	0.742
STD. DEVIATION				0.114	0.206
PROBABILITY				100.0%	100.0%

Fig. 12

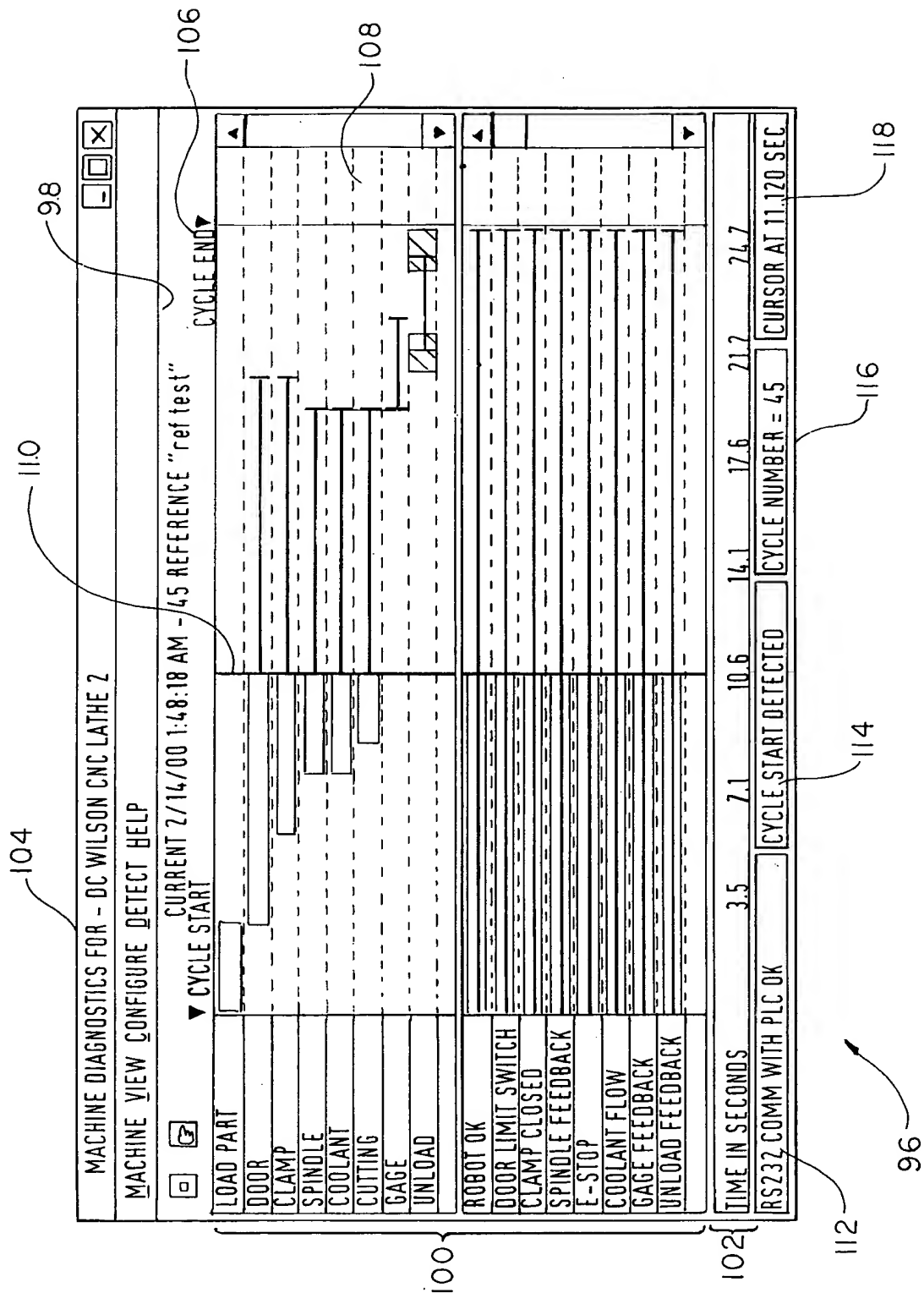


Fig. 13

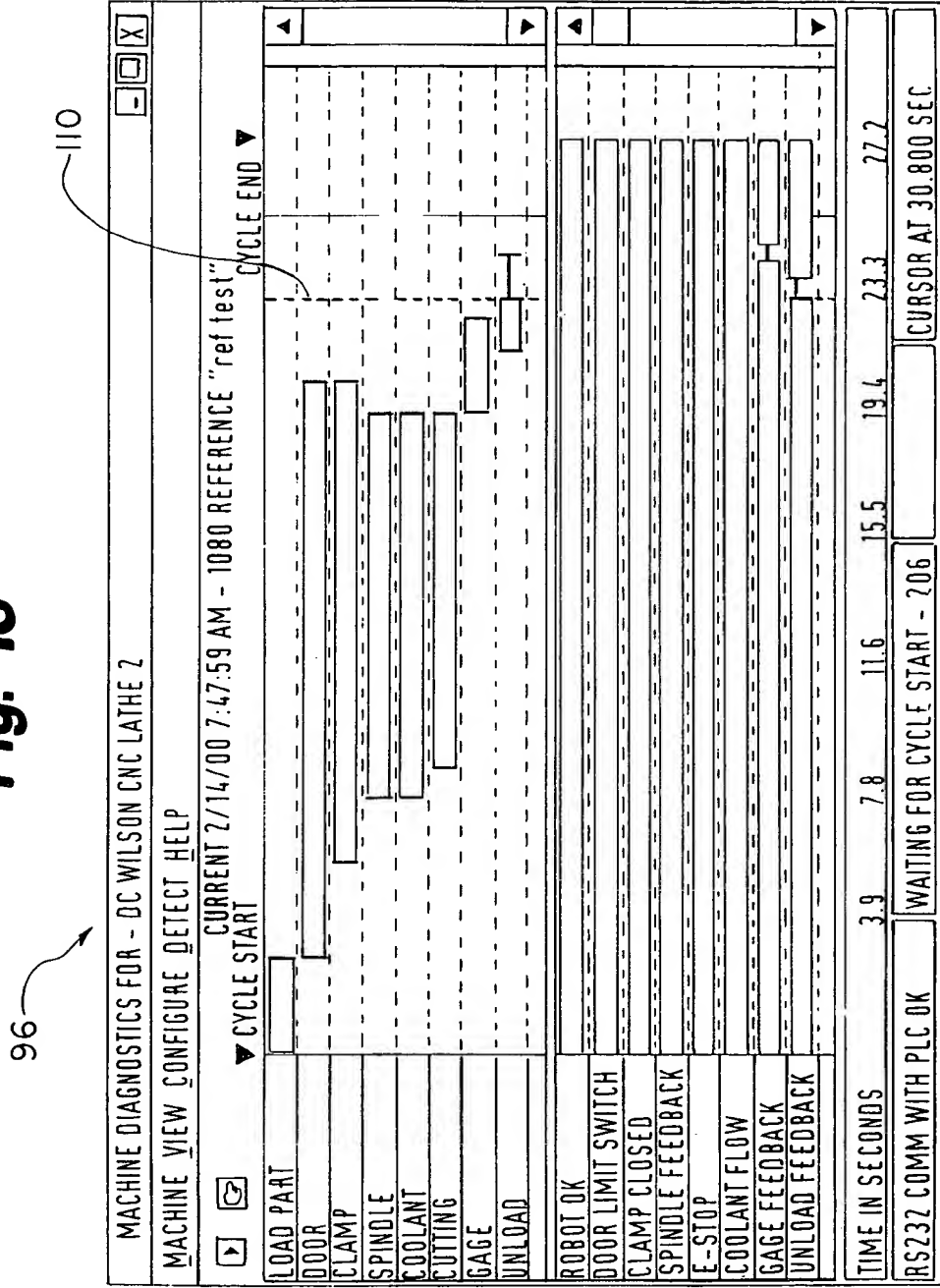


Fig. 14

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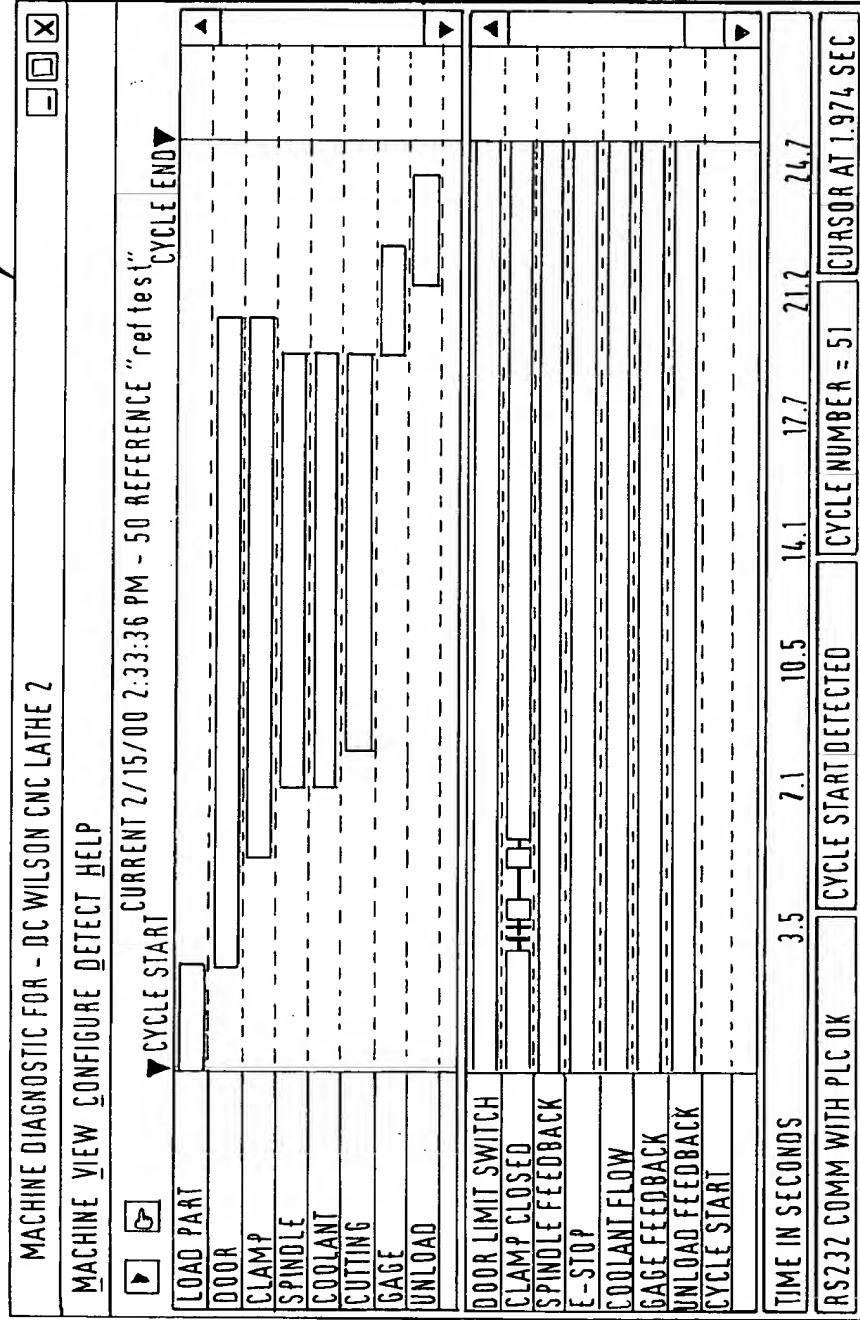


Fig. 15

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I/O VIEW - AT CURSOR		[X]
OUTPUT NAME	LIVE	▲
SHUTTL S1 ENABLE SHUTTLE DRIVE	OFF	
SHUTTL S1 HYD PUMP H1 MTR	OFF	
SHUTTL S1 HYD PUMP H3 STA SRH	OFF	
SHUTTL S1 PALLET PRESENT IN CORN	OFF	
SHUTTL S1 SHUTTLE CYCLED PL	OFF	
SHUTTL S1 SHUTTLE ADV D PL	OFF	
SHUTTL S1 CLOSE ESCAPEMEN SOL	OFF	
SHUTTL S1 ADVANCE PUSHER CORNER	OFF	
SHUTTL S1 DISENGAGE SHUTTLE SOL	OFF	
SHUTTL S1 SHUTTLE DIS-ENGAGED P	OFF	▼
INPUT NAME	LIVE	▲
SHUTTL S1 SPARE	OFF	
SHUTTL S1 HYD PUMP H3 RUN G (STA	OFF	
SHUTTL S1 HYD PUMP H1 RUN G MTR	OFF	
SHUTTL S1 HYD #3 LOW LEVEL FLS	OFF	
SHUTTL S1 CLAMP TABLE MTR OVERLO	OFF	
SHUTTL S1 ADVANCED (AUX 0) CR	OFF	
SHUTTL S1 DISENGAGE #1 LS	OFF	
SHUTTL S1 ESCAPEMEN CLOSED LS	OFF	
SHUTTL S1 SHUTTLE DISENGAGE #2 L	OFF	
SHUTTL S1 PUSHER ADVANCED LS	OFF	
SHUTTL S1 ADV D CORNER B SHOT PI	OFF	
SHUTTL S1 SPARE	OFF	
SHUTTL S1 SPARE	OFF	
SHUTTL S1 OFFLINE ON/OFF SS	OFF	▼

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Fig. 16

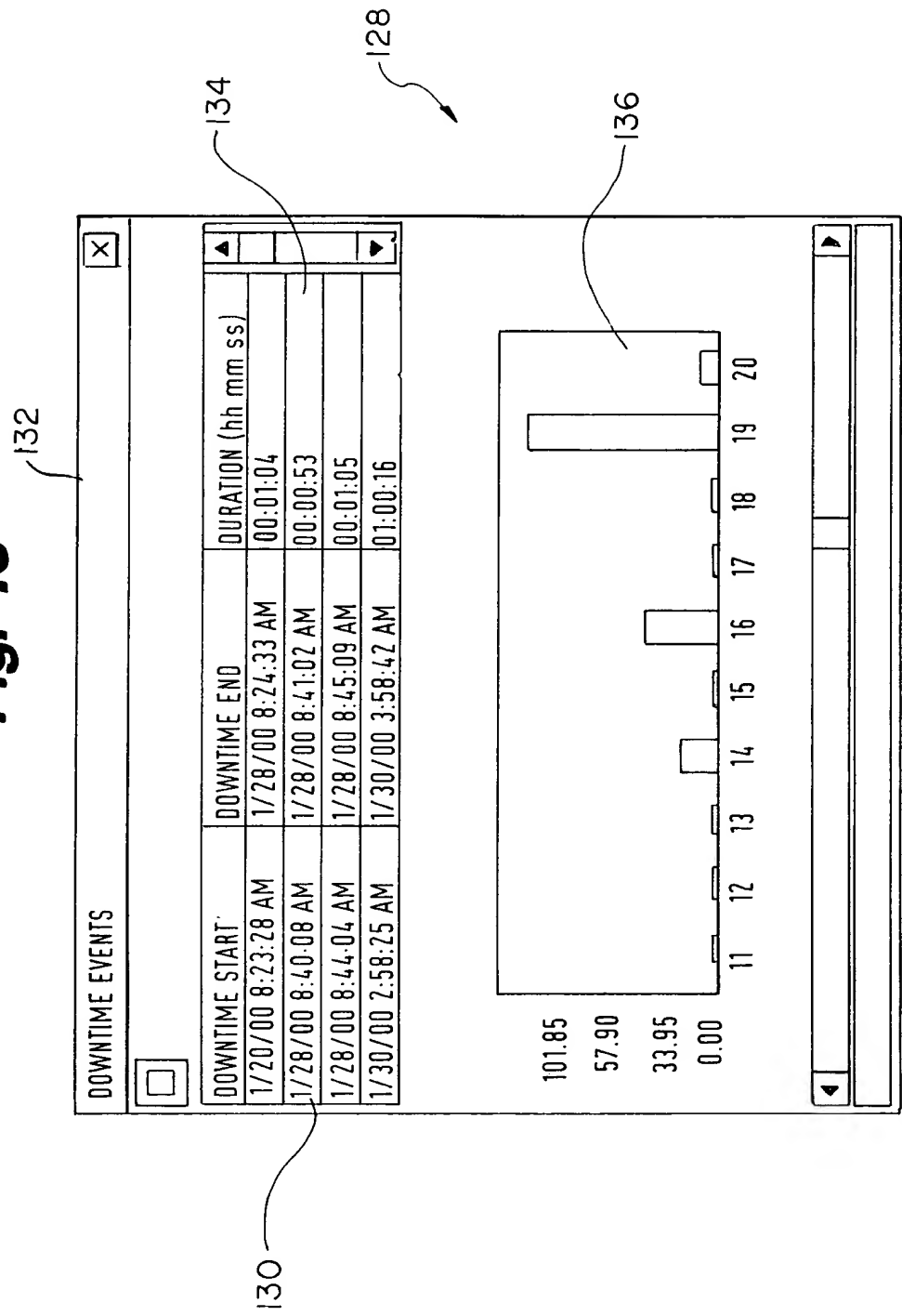


Fig. 17

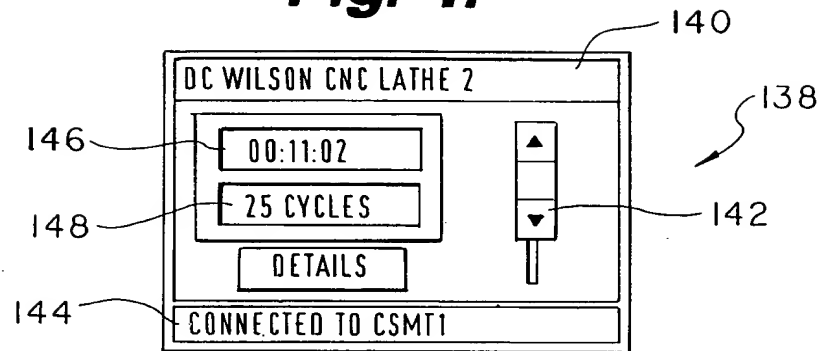


Fig. 18

